

Building the Docker Image

Dockerfile

```
FROM python:3.9.1
WORKDIR /app
COPY requirements.txt ./
RUN pip install -r requirements.txt
COPY . .
EXPOSE 5000
CMD ["python", "./app.py"]
```

```
Command Prompt - docker b... + -
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C:\files\Labs\IBM\IBM-Project-39229-1660401238\Project Development Phase\Sprint 4>docker build -t ibm-inv .
[+] Building 28.1s (4/9)
=> [internal] load build definition from Dockerfile                                0.2s
=> => transferring dockerfile: 177B                                              0.0s
=> [internal] load .dockerignore                                                  0.2s
=> => transferring context: 2B                                                    0.0s
=> [internal] load metadata for docker.io/library/python:3.9.1                  3.4s
=> [1/5] FROM docker.io/library/python:3.9.1@sha256:ca8bd3c91af8b12c2d042ade99f7c8f578a9f80a0dbbd12ed261eeba96dd632f 24.3s
=> => resolve docker.io/library/python:3.9.1@sha256:ca8bd3c91af8b12c2d042ade99f7c8f578a9f80a0dbbd12ed261eeba96dd632f 0.1s
=> => sha256:2a93c239d591553ed9c25ef20ed7c7a1542e8644f57d352e3a1446f0a5f0412d 8.33kB / 8.33kB 0.0s
=> => sha256:7467d1831b6947c294d92ee957902c3cd448b17c5ac2103ca5e79d15afb317c3 7.83MB / 7.83MB 3.7s
=> => sha256:0ecb575e629cd60aa802266a3bc6847dcf4073aa2a6d7d43f717dd61e7b90e0b 50.40MB / 50.40MB 13.3s
=> => sha256:feab2c490a3cea21cc051ff29c33cc9857418edfa1be9966124b18abe1d5ae16 10.00MB / 10.00MB 3.9s
=> => sha256:ca8bd3c91af8b12c2d042ade99f7c8f578a9f80a0dbbd12ed261eeba96dd632f 2.36kB / 2.36kB 0.0s
=> => sha256:2a7e1b9e632b7a3a967dbdbbf8c80ffff234f10f9cb647b253c6405252db41c9c 2.22kB / 2.22kB 0.0s
=> => sha256:f15a0f46f8c38f4ca7daecf160ba9c9db3ddeafda769e2741e179851cfaa14eec 51.83MB / 51.83MB 18.5s
=> => sha256:937782447ff61abe49fd83ca9e3bdea338clae1d53278b2f31eca18ab4366a1e 84.93MB / 192.33MB 20.2s
=> => sha256:e78b7aaaaab2cfb7598d50ad36633611a75bfff6116d6a0acc2d37df61b5c797be 6.15MB / 6.15MB 17.2s
=> => extracting sha256:0ecb575e629cd60aa802266a3bc6847dcf4073aa2a6d7d43f717dd61e7b90e0b 1.9s
=> => extracting sha256:7467d1831b6947c294d92ee957902c3cd448b17c5ac2103ca5e79d15afb317c3 0.4s
=> => extracting sha256:feab2c490a3cea21cc051ff29c33cc9857418edfa1be9966124b18abe1d5ae16 0.4s
=> => sha256:06c4d8634a1a306e07412154f682d30988cee9a788c10563e0143279d23fa69b 19.12MB / 19.12MB 22.2s
=> => extracting sha256:f15a0f46f8c38f4ca7daecf160ba9c9db3ddeafda769e2741e179851cfaa14eec 2.2s
=> => sha256:42b6aa65d161c7afc7d1b5741224751f55ea238144036e416037b02e22d73dff 231B / 231B 19.1s
=> => sha256:f7fc0748308d6904b5dd5e91721ba058abdd1a415247a65089b44392f4be9fc9 2.16MB / 2.16MB 20.6s
=> [internal] load build context                                                  0.1s
=> => transferring context: 48.77kB                                              0.0s
```

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An image is a read-only template with instructions for creating a Docker container. [Learn more](#)

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Docker Container:

